

Title (en)

METHOD FOR DIAGNOSING AN EXHAUST GAS CLEANING SYSTEM OF A LAMBDA-CONTROLLED INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR DIAGNOSE EINER ABGASREINIGUNGSANLAGE EINER LAMBDA-GEREGELTEN BRENNKRAFTMASCHINE

Title (fr)

PROCEDE POUR EFFECTUER LE DIAGNOSTIC D'UNE UNITE D'EPURATION DE GAZ D'ECHAPPEMENT D'UN MOTEUR A COMBUSTION INTERNE A REGULATION LAMBDA

Publication

**EP 1272746 A1 20030108 (DE)**

Application

**EP 01940137 A 20010410**

Priority

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Abstract (en)

[origin: WO0177503A1] According to the inventive method for diagnosing an exhaust gas cleaning system of a lambda-controlled internal combustion engine (1), the catalyst (6) is subjected to a specific oxygen load which is greater than the normal operating load. This is achieved by increasing the surface covered by the oscillation of the signal of the pre-catalyst lambda probe (5) according to a set value. The exhaust gas cleaning system can be tested by evaluating the oscillation of the signal of the post-catalyst lambda probe (7). In the event that this diagnosis shows a defect in the exhaust gas cleaning system without the area covered by the oscillation of the probe signal of the pre-catalyst lambda probe (5) having had to be increased to or beyond a set value, the pre-catalyst lambda probe (5) is defective. Otherwise, it can be concluded that the catalyst is defective.

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